

Claims

1. A recording medium on which is recorded a plurality of titles between which branching is possible, and an application that is
5 executable during playback of any of the titles, wherein

each title includes a digital stream and a management table,
the application is a program written in a virtual
machine-oriented programming language,

each management table shows, in correspondence, the
10 application and a run attribute of the application in the corresponding
title, and

the run attribute in a branch destination title is an automatic
run attribute for automatically running the application, if the
application has a non-run status in a branch origin title.

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2. A playback apparatus that simultaneously performs playback
of a title that includes a digital stream, and execution of an
application, comprising:

a playback control engine unit operable to play a digital stream
20 that belongs to one of a plurality of titles;

a module manager operable to control branching between the
plurality of titles; and

a module operable to execute an application,

wherein the application is assigned run attributes
25 corresponding respectively to the plurality of titles, and

the module includes an application manager operable to, when
a branch occurs between titles, control a status of the application
in a branch destination title in accordance with a status of the

application in a branch origin title and the run attribute in the branch destination title.

3. The playback apparatus of Claim 2, wherein

5 when the run attribute assigned to the application shows maintaining of status, and the application is not run in the branch origin title, the application manager causes the application to have a non-run status in the branch destination title, and

10 when the run attribute assigned to the application shows maintaining of status, and the application is running in the branch origin title, the application manager runs the application in the branch destination title.

4. The playback apparatus of Claim 2, wherein

15 when the run attribute assigned to the application shows automatic run, and the application is not run in the branch origin title, the application manager runs the application in the branch destination title, and

20 when the run attribute assigned to the application shows automatic run, and the application is running in the branch origin title, the application manager maintains the status of the application in the branch destination title.

5. The playback apparatus of Claim 2, wherein

25 when the run attribute assigned to the application shows suspend, and the application is running in the branch origin title, the application manager controls such that, in the branch destination title, the application occupies resources of the playback apparatus,

but the status of the application is changed such that CPU power in the playback apparatus is not allocated to the application.

6. A program that causes a computer to simultaneously perform playback of a title that includes a digital stream, and execution of an application,

wherein the application is assigned run attributes that corresponding respectively to the plurality of titles, and

the program causes the computer to, when a branch occurs between titles, control a status of the application in a branch destination title in accordance with a status of the application in a branch origin title and the run attribute in the branch destination title.

7. A playback method that causes a computer to simultaneously perform playback of a title that includes a digital stream, and execution of an application,

wherein the application is assigned run attributes that corresponding respectively to the plurality of titles, and

the playback method causes the computer to, when a branch occurs between titles, control a status of the application in a branch destination title in accordance with a status of the application in a branch origin title and the run attribute in the branch destination title.